

**Water Supply Coordinating Council**  
**June 10, 2010**

**ADMINISTRATIVE – Kathy Bunting-Howarth**

Meeting was called to order at 10:00 a.m. by Stewart Lovell.

Self-introductions were made; attendance list is below. Stewart reminded attendees to sign in so the minutes reflect everyone in attendance and to check contact information on the document to verify and update information.

**Minutes**

A motion was made to make two minor corrections to the March 11, 2010, minutes. All were in agreement with the corrections, and the meeting minutes were approved as corrected. Final minutes are online at [www.dnrec.delaware.gov/Admin/Pages/WSCC.aspx](http://www.dnrec.delaware.gov/Admin/Pages/WSCC.aspx).

**SUMMER FORECAST SYNOPSIS – David Legates, State Climatologist**

Summary of PowerPoint presentation: Precipitation in March was more than 1.25” above normal for the entire state while April, May, and the early part of June were below normal, by more than 2.0” (i.e., Sussex County in May). Based on recent trends in the observations and model forecasts, neutral to La Niña conditions are likely to develop this summer and extend into the fall. Air temperature and precipitation are both too difficult to predict for the mid-Atlantic region, although temperatures will be above normal in the southeast through September and above normal in the northeast in the fall. Precipitation is forecast to be above normal in the southeastern United States. The Drought Monitor does not have drought for Delaware nor does it expect to issue drought conditions anytime soon.

The upcoming North Atlantic hurricane season is forecast to be quite active and well above normal, owing to warm temperatures in the Caribbean and northern tropical Atlantic Ocean, an expected continuation of the tropical multi-decadal signal that began in 1995, and the shift to ENSO-Neutral or La Niña conditions. This is likely to bring copious amounts of precipitation to the southeast and, potentially Delaware, if tropical storms/hurricanes or their remnants pass through the region. Remember that some of the heaviest rainfall events in Delaware are associated with tropical storms/hurricanes and their remnants. Rainfall is not correlated with tropical storm strength as some of the heaviest events are associated with storms that never reached hurricane status.

The full report is available online at [www.dnrec.delaware.gov/Admin/Pages/WSCC.aspx](http://www.dnrec.delaware.gov/Admin/Pages/WSCC.aspx)

**WATER CONDITIONS REPORT, Stefanie Baxter, DGS**

The handout with statistics on an Analysis of Water Conditions in all three counties was

reviewed. Stream flows are in great shape. Well Qe44-01 is located at Trap Pond. The full report is available online at [www.dnrec.delaware.gov/Admin/Pages/WSCC.aspx](http://www.dnrec.delaware.gov/Admin/Pages/WSCC.aspx)

### **WATER UTILITY REPORTS (SUPPLY/DEMAND, PROJECTS)**

**Artesian, Bruce Kraeuter** – The average usage is 17 million GPD; ASR well is up to 75 million gallons and the well is continuing to recharge.

**Newark, Roy Simonson** – The reservoir is full; and at this time of year, the demand drops due to the students leaving campus for the summer.

**Tidewater Utilities, Edward Rapciewicz** – Summer demands are normal.

**United Water, Susan Skomorucha** – Currently the demands are a bit lower at 14 million gallons per day. Continuing to recharge our ASR with about 66 million gallons of water currently, and by the end of June ASR should have 75 million gallons stored. Valero's shut-down lowered demand.

**Wilmington, Matt Miller** – Usage is 21 million gallons per month. The Hoopes Reservoir is full. Porter Reservoir is on by-pass due to valve repair; the project is 50% complete. Porter has a reserve capacity of about 50 million gallons, which equates to 1 ½ days of stored water.

**Andrea Maucher** – On June 1, the commission accepted Artesian's self sufficiency certification.

### **KENT/SUSSEX WATER SUPPLY PLAN – WRA, DNREC, DGS**

**Jerry Kauffman, WRA** – Please note that June 2010 is the 10<sup>th</sup> anniversary of the legislation passed unanimously by the General Assembly to appoint the Delaware Water Supply Coordinating Council. This is an appropriate time for this group to reflect on the accomplishments made over the last ten years. The 11<sup>th</sup> Report to the Governor and the General Assembly on the Kent and Sussex Water Supply Plan will be submitted next year.

Water Demands and Future Water Demands – the study goal is to make sure there is enough supply for growth in Kent and Sussex Counties. It is estimated that 100,000 additional residents will move into those counties by 2030 and we must ensure there is enough water for that residential growth and agricultural irrigation. The objective is to collect daily water demand data and data for peak demands. Sixty percent of the data has been collected. The peak demand now is 38 mgd, and the data collected this summer will be used to calculate demands in the counties through 2030.

The population density data indicates the most growth will be along the Route 1, Route 113, and Route 13 corridors. We need to ensure that the water supply exceeds the demand. It was suggested that the history of well permitting for the last ten to fifteen years be used to calculate

the projections. 1,500 water supply wells are installed annually in Delaware. In 2006 there was a slight drop due to the economy. The population projections are based on the U.S. Census; we may have preliminary projections based on that data in the fall. Population density mapping and data from water purveyors provide valuable data for this report. Ocean City, Maryland uses wastewater use to determine demand for water – the two figures should match up. Allocated supply should be greater than the demand.

The draft numbers should be ready in the fall to incorporate in the 2011 draft report to the Governor and General Assembly.

## **OLD BUSINESS**

We received a 60% response rate from the memo to water suppliers from Secretary Collin O'Mara. There will be follow-up done by personal visits from WRA staff to capture the remaining information.

## **OTHER BUSINESS**

**Water Resource Agency, Andrew Homsey** – An update from the December 2009 presentation on data guidelines was given. Online water demand graphs are located at [www.wra.udel.edu/usage\\_graph](http://www.wra.udel.edu/usage_graph). The updates and edits are in real time and users can select the location and water purveyor for the information to review.

**Expanded SNCC Ground Water Monitoring, Stewart Lovell** – Funding was secured to initiate Phase One for the renovation and activation of existing wells.

**Invitation** -- Ed Justice, President of the Farm Bureau, invited everyone to attend an event on July 16 at 10:00 a.m. in Middletown. The event celebrates the first farm to use reclaimed water for irrigation. The event location has not been selected.

**NEXT MEETING:** Wednesday, September 22, 2010, from 10:00 a.m. – noon in room 220 at the Kent County Administration Building, 555 Bay Road, Dover.

**ADJOURN** – The meeting adjourned at 11:33 a.m.

Respectfully submitted,  
Karen Garrison

**Attendees:**

Stefanie Baxter, DGS  
Kevin Burdette, Artesian Water Co.  
Joseph DiNunzio, Artesian Water Co.  
Jerry Esposito, Tidewater Utilities, Inc.  
Lorraine Fleming, Delaware Nature Society  
Mary Ellen Gray, Kent County Government  
Edward Hallock, Division of Public Health, Office of Drinking Water  
Jerry Kauffman, Water Resources Agency  
Richard Kautz, League of Women Voters  
Bruce Kraeuter, Artesian Water Co.  
David Legates, UD, Dept of Geography  
Stewart Lovell, DNREC, Division of Water Resources  
Andrea Maucher, Delaware Public Service Commission  
Thom May, Division of public health, Health Systems Protection  
Laura Mensch, DE Dept. of Agriculture, Pesticide Section  
Dorothy Miller, Coalition for Natural Stream Valleys  
Matt Miller, City of Wilmington  
G. Arthur Padmore, Division of the Public Advocate  
Nancy Parker, Retired, Artesian Water Co.  
Edward Rapciewicz, Tidewater Utilities  
John Rudd, Office of the State Fire Marshall  
David Sayers, Delaware River Basin Commission  
Roy Simonson, City of Newark  
Victor Singer, Civic League for New Castle County  
Susan Skomorucha, United Water Delaware  
Lafeisha Williamson, Delaware Public Service Commission  
Martin Wollaston, UD, Water Resources Agency  
Kathy Bunting-Howarth, DNREC Division of Water Resources